	Application No.	Applicant(s)	
Notice of Allowability	10/840,117	JEN, CHUNG KUEI	6.
	Examiner	Art Unit	- Ar
	Michael Trinh	2822	
	Wholiaci IIIIII	2022	
The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOT (of the Office or upon petition by the applicant. See 37 CFR 1.313	OR REMAINS) CLOSED in other appropriate comming GHTS. This application is	n this application. If not included unication will be mailed in due cours	se. THIS
1. This communication is responsive to <u>5/5/04</u> .			
2. The allowed claim(s) is/are <u>1-24</u> .			
 3. ☐ Acknowledgment is made of a claim for foreign priority un a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 	•,	or (f).	
2. Certified copies of the priority documents have	been received in Applicati	on No. <u></u> .	
3. Copies of the certified copies of the priority doc	uments have been receive	ed in this national stage application f	rom the
International Bureau (PCT Rule 17.2(a)).			_
* Certified copies not received:			•
Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONMI THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file ENT of this application.	e a reply complying with the require	ments
4. A SUBSTITUTE OATH OR DECLARATION must be submi- INFORMAL PATENT APPLICATION (PTO-152) which give			E OF
5. CORRECTED DRAWINGS (as "replacement sheets") must	be submitted.		
(a) ☐ including changes required by the Notice of Draftsperso		w (PTO-948) attached	
1) hereto or 2) to Paper No./Mail Date	_	•	
(b) including changes required by the attached Examiner's Paper No./Mail Date	Amendment / Comment o	r in the Office action of	
Identifying indicia such as the application number (see 37 CFR 1.1 each sheet. Replacement sheet(s) should be labeled as such in the	84(c)) should be written on t e header according to 37 C	he drawings in the front (not the back FR 1.121(d).	() of
 DEPOSIT OF and/or INFORMATION about the depose attached Examiner's comment regarding REQUIREMENT F 	it of BIOLOGICAL MAT OR THE DEPOSIT OF BI	ERIAL must be submitted. Note to OLOGICAL MATERIAL.	the
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5. ☐ Notice of Ir	nformal Patent Application (PTO-152	2)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)		ummary (PTO-413),	-,
Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date	Paper No.	/Mail Date Amendment/Comment	
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🛭 Examiner's	Statement of Reasons for Allowand	се
	9.	- Malli	1
		Michael Trinin Primary Examiner	

Art Unit: 2822

DETAILED ACTION

*** This office action is in response to filling of the application on May 05, 2005. Claims 1-24 are pending.

Allowable Subject Matter

- 1. Claims 1-24 are allowed.
- 2. The following is a statement of reasons for the indication of allowable subject matter:

The references of record including Jie et al (2002/0047967), Wei (2003/0138982), Lu (5,764,324), Liu et al (2003/0076461), etc., alone or in combination, do not fairly anticipatively disclose each and every aspect of the method for forming a liquid crystal on silicon, or fairly make a prima facie obvious case of the claimed method, in combination with other processing claimed limitations such as recited in base claim 1, the inclusion of providing a silicon substrate comprising a first overlying dielectric insulating layer and metal pixel electrodes; forming a hardmask layer over the second dielectric insulating layer formed over the metal pixel electrodes; photolithographically patterning a resist layer formed over the hardmask layer and plasma etching the hardmask layer to form an etching mask for etching spacers in the second dielectric insulating layer; carrying out a first plasma etching process to form spacers; removing remaining resist layer portions and polymer etching residues over the process surface; and, carrying out a second plasma etching process to etch grooves between metal pixel electrodes adjacent the spacers.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael M. Trinh whose telephone number is (571) 272-1847. The examiner can normally be reached on M-F: 8:30 Am to 5:00 Pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amir Zarabian can be reached on (571) 272-1852. The fax phone numbers for the organization where this application proceeding is (571) 273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956. Oacs-17

Michael Trinh
Primary Examiner